NATA LIGHTING CO.,LTD.
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Address:Address:380JinOu Road,GaoXin Zone,Jiang Men City,Guangdong,China

Nata

Client: NT
LumCAT: 1-1668-S
Luminaire: BJB47.360.1020.00
Report No: 20250926-B007
Ballast type: DC

Test No: 20250926-C007	Voltage(V): 37.400
LampCAT: CITIZEN CLU703	Current(A): 0.354
Lamp flux(lm): 1492.0	Power (W): 13.230
Number of Lamps: 1	PF: 0.000
Length(mm): 35	Width(mm): 35
Phm Type: C	Height(mm): 25

Photometric Results

Lumens(lm): 1305.78, Efficiency(%): 87.52% , Luminous Efficacy(lm/W): 98.70
Central intensity(cd): 9261.329, Maximum intensity(cd): 9261.329
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=15.2
[C90/270]Total=15.2
Field angle(10%Imax): [C0/180]Total=40.2
[C90/270]Total=40.2
Maximum s/h(1/2): C0_180=0.26 C90_270=0.26
Maximum s/h(1/4): C0_180=0.29 C90_270=0.29
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 87.52%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 99.204%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	9261.329	0.000	0	0.00%	0.00%
1.0	9164.733	8.817	8.817	0.59%	0.68%
2.0	8853.512	25.861	34.678	1.73%	2.66%
3.0	8297.896	41.021	75.699	2.75%	5.80%
4.0	7643.256	53.360	129.059	3.58%	9.88%
5.0	6814.742	62.198	191.256	4.17%	14.65%
6.0	5950.861	67.087	258.343	4.50%	19.78%
7.0	5085.609	68.503	326.846	4.59%	25.03%
8.0	4368.365	67.660	394.506	4.53%	30.21%
9.0	3725.760	65.598	460.105	4.40%	35.24%
10.0	3173.628	62.437	522.542	4.18%	40.02%
11.0	2685.049	58.540	581.082	3.92%	44.50%
12.0	2292.455	54.411	635.493	3.65%	48.67%
13.0	2011.544	51.078	686.571	3.42%	52.58%
14.0	1765.829	48.350	734.921	3.24%	56.28%
15.0	1599.757	46.204	781.125	3.10%	59.82%
16.0	1423.824	44.304	825.429	2.97%	63.21%
17.0	1270.368	41.956	867.385	2.81%	66.43%
18.0	1144.612	39.818	907.203	2.67%	69.48%
19.0	1027.176	37.785	944.987	2.53%	72.37%
20.0	930.347	35.828	980.815	2.40%	75.11%
21.0	851.666	34.218	1015.034	2.29%	77.73%
22.0	773.607	32.661	1047.694	2.19%	80.24%
23.0	711.215	31.156	1078.85	2.09%	82.62%
24.0	652.782	29.822	1108.672	2.00%	84.91%
25.0	596.144	28.398	1137.069	1.90%	87.08%
26.0	535.420	26.711	1163.78	1.79%	89.13%
27.0	472.521	24.660	1188.44	1.65%	91.01%
28.0	410.077	22.346	1210.785	1.50%	92.73%
29.0	327.975	19.310	1230.095	1.29%	94.20%
30.0	261.529	15.916	1246.011	1.07%	95.42%
31.0	203.001	12.927	1258.938	0.87%	96.41%
32.0	124.182	9.373	1268.312	0.63%	97.13%
33.0	80.656	6.035	1274.346	0.40%	97.59%
34.0	49.132	3.928	1278.274	0.26%	97.89%
35.0	29.612	2.446	1280.72	0.16%	98.08%
36.0	18.929	1.546	1282.265	0.10%	98.20%
37.0	14.907	1.104	1283.369	0.07%	98.28%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	13.471	0.947	1284.316	0.06%	98.36%
39.0	12.183	0.876	1285.192	0.06%	98.42%
40.0	10.990	0.808	1286	0.05%	98.49%
41.0	9.860	0.742	1286.742	0.05%	98.54%
42.0	8.931	0.683	1287.425	0.05%	98.59%
43.0	8.118	0.632	1288.056	0.04%	98.64%
44.0	7.506	0.590	1288.646	0.04%	98.69%
45.0	6.904	0.554	1289.2	0.04%	98.73%
46.0	6.461	0.523	1289.723	0.04%	98.77%
47.0	6.081	0.499	1290.221	0.03%	98.81%
48.0	5.732	0.478	1290.699	0.03%	98.85%
49.0	5.405	0.457	1291.156	0.03%	98.88%
50.0	5.120	0.439	1291.595	0.03%	98.91%
51.0	4.856	0.422	1292.017	0.03%	98.95%
52.0	4.613	0.406	1292.424	0.03%	98.98%
53.0	4.402	0.392	1292.816	0.03%	99.01%
54.0	4.212	0.380	1293.196	0.03%	99.04%
55.0	4.096	0.371	1293.566	0.02%	99.06%
56.0	4.001	0.366	1293.932	0.02%	99.09%
57.0	3.938	0.363	1294.295	0.02%	99.12%
58.0	3.885	0.362	1294.657	0.02%	99.15%
59.0	3.843	0.361	1295.018	0.02%	99.18%
60.0	3.811	0.362	1295.38	0.02%	99.20%
61.0	3.779	0.362	1295.742	0.02%	99.23%
62.0	3.716	0.361	1296.103	0.02%	99.26%
63.0	3.716	0.361	1296.465	0.02%	99.29%
64.0	3.674	0.363	1296.827	0.02%	99.31%
65.0	3.653	0.363	1297.19	0.02%	99.34%
66.0	3.684	0.366	1297.556	0.02%	99.37%
67.0	3.674	0.370	1297.926	0.02%	99.40%
68.0	3.642	0.371	1298.297	0.02%	99.43%
69.0	3.579	0.368	1298.665	0.02%	99.46%
70.0	3.505	0.364	1299.029	0.02%	99.48%
71.0	3.442	0.359	1299.388	0.02%	99.51%
72.0	3.399	0.356	1299.744	0.02%	99.54%
73.0	3.325	0.352	1300.095	0.02%	99.56%
74.0	3.304	0.349	1300.444	0.02%	99.59%
75.0	3.304	0.349	1300.793	0.02%	99.62%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	3.262	0.349	1301.142	0.02%	99.64%
77.0	3.220	0.346	1301.487	0.02%	99.67%
78.0	3.209	0.344	1301.831	0.02%	99.70%
79.0	3.167	0.343	1302.174	0.02%	99.72%
80.0	3.178	0.342	1302.516	0.02%	99.75%
81.0	3.114	0.340	1302.856	0.02%	99.78%
82.0	3.093	0.337	1303.193	0.02%	99.80%
83.0	3.062	0.335	1303.527	0.02%	99.83%
84.0	3.030	0.332	1303.859	0.02%	99.85%
85.0	2.988	0.328	1304.188	0.02%	99.88%
86.0	2.988	0.327	1304.514	0.02%	99.90%
87.0	2.914	0.323	1304.837	0.02%	99.93%
88.0	2.882	0.317	1305.155	0.02%	99.95%
89.0	2.829	0.313	1305.468	0.02%	99.98%
90.0	2.819	0.310	1305.777	0.02%	100.00%

Zonal flux distribution table

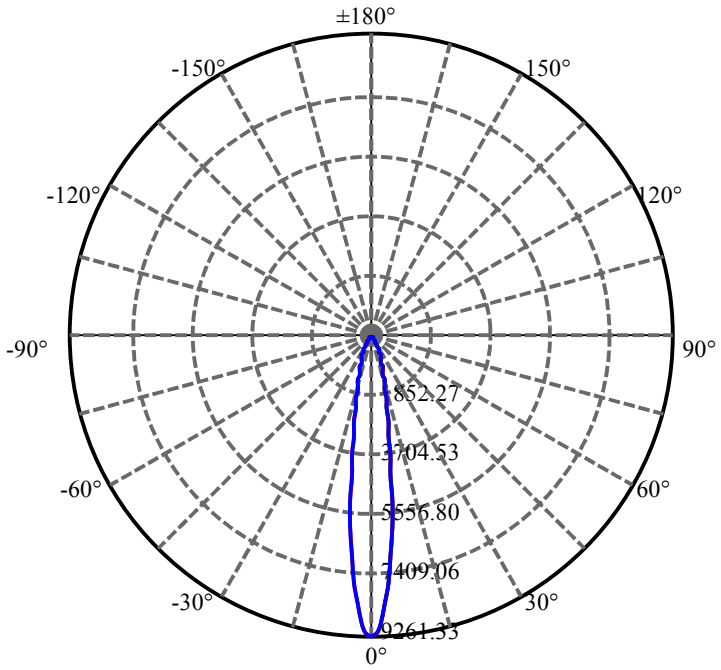
ZONAL LUMEN SUMMARY

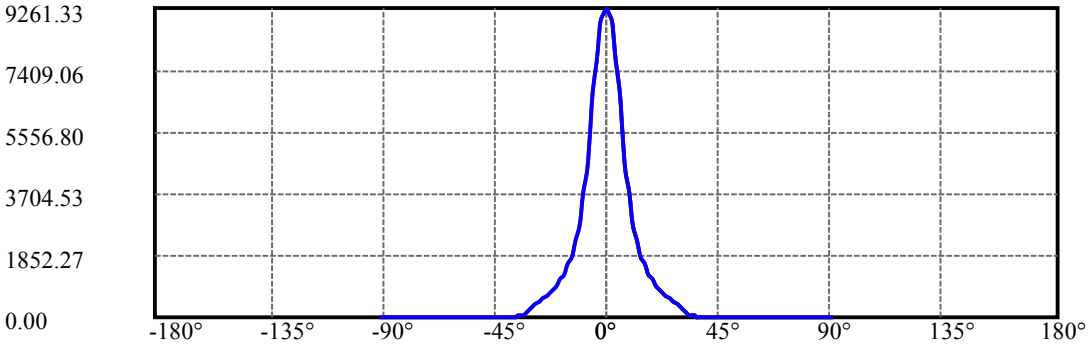
Zone	Lumens	%Lamp	%Fixt
0-30	1246.01	83.51%	95.42%
0-40	1286.00	86.19%	98.49%
0-60	1295.38	86.82%	99.20%
0-90	1305.47	87.50%	99.98%
0-120	1305.47	87.50%	99.98%
0-180	1305.78	87.52%	100.00%
60-90	10.09	0.68%	0.77%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-21.91	1044.62	70.01%	80.00%

ZONAL LUMEN SUMMARY

0-10	522.54
10-20	458.27
20-30	265.20
30-40	39.99
40-50	5.60
50-60	3.78
60-70	3.65
70-80	3.49
80-90	2.95
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

Light Distribution Curve [Unit:cd]





C0(Max):

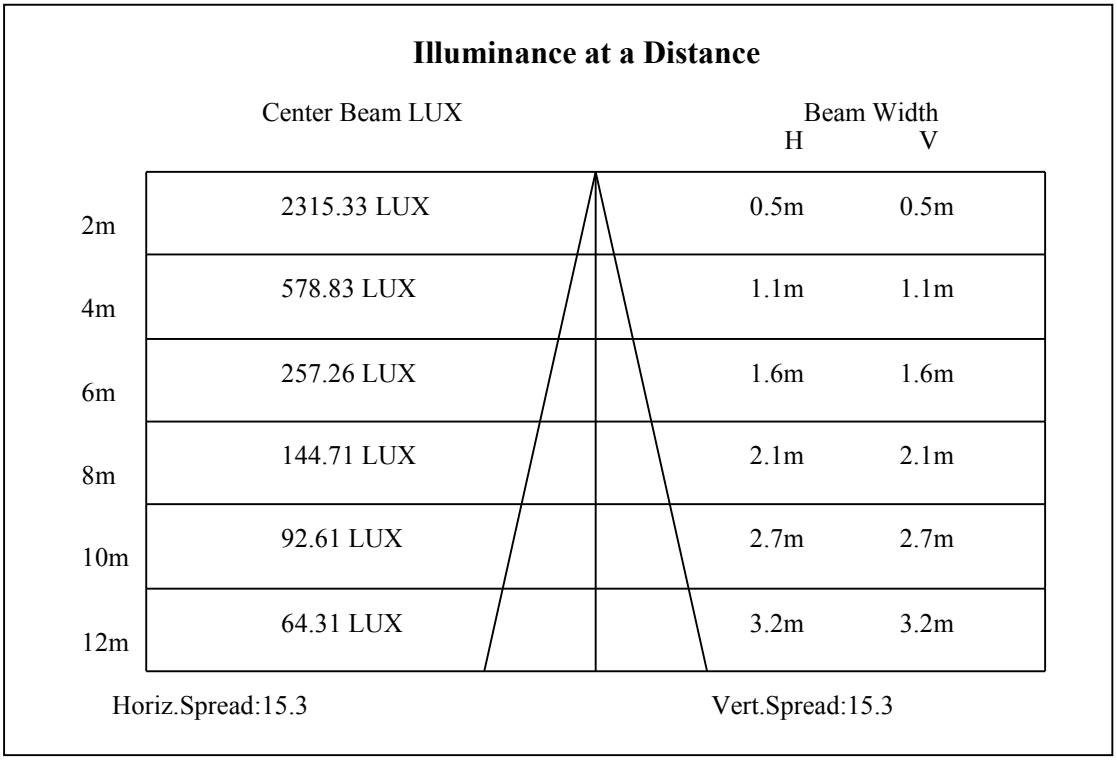
C0/C180:

C90/C270:

Field angle(10%Imax):C0/180Left:20.1 Right:20.1
:C90/270Left:20.1 Right:20.1

Beam Angle(50%Imax):C0/180Left:7.6 Right:7.6
:C90/270Left:7.6 Right:7.6

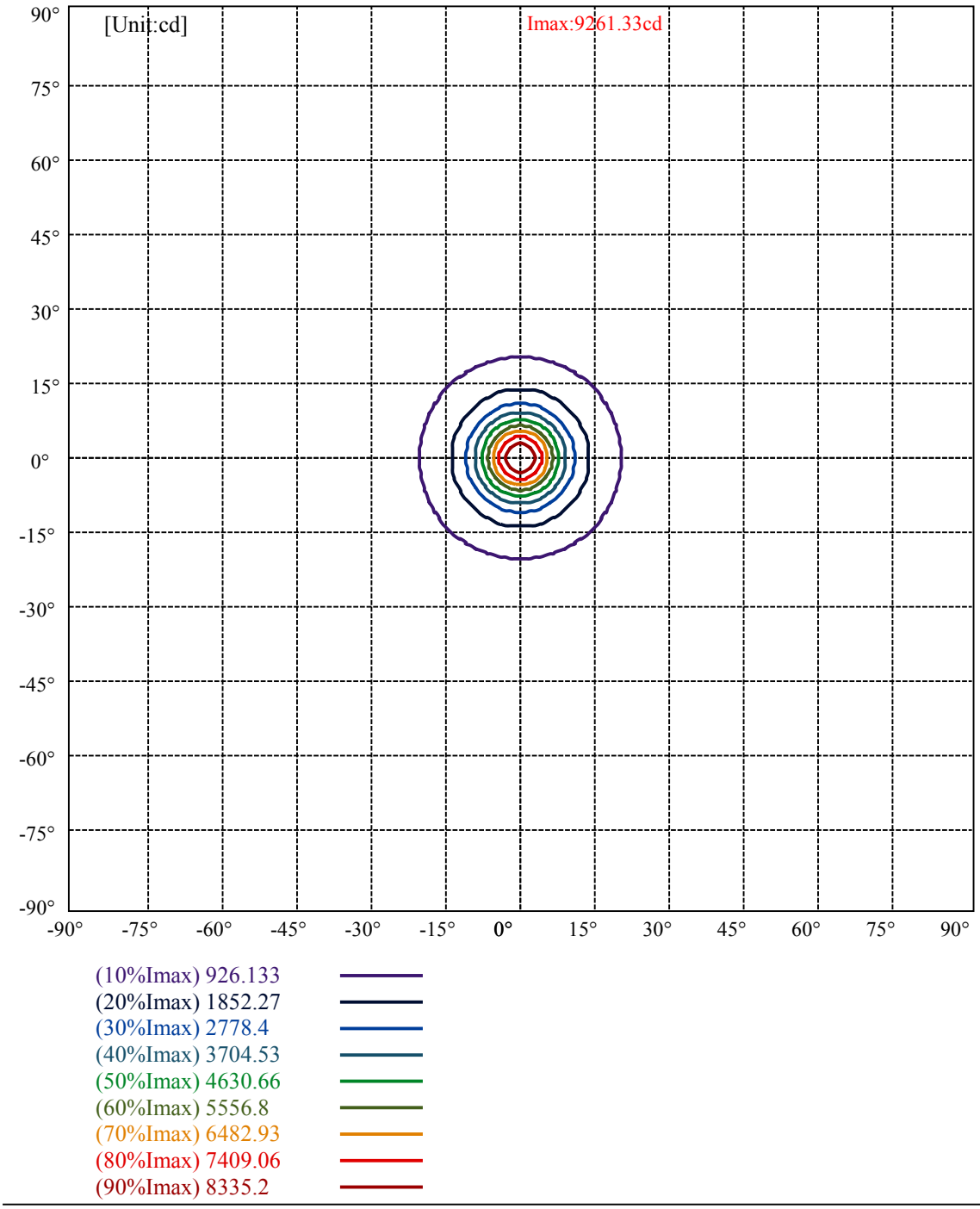
Lux distance Curve



Equipment: GMS1980 Date: 2025/9/26 Operator: 杨泽全

Temperature(°C): 25.0 Humidity(%): 60.0% Distance(m): 9.19

ISO-Intensity(V-H)



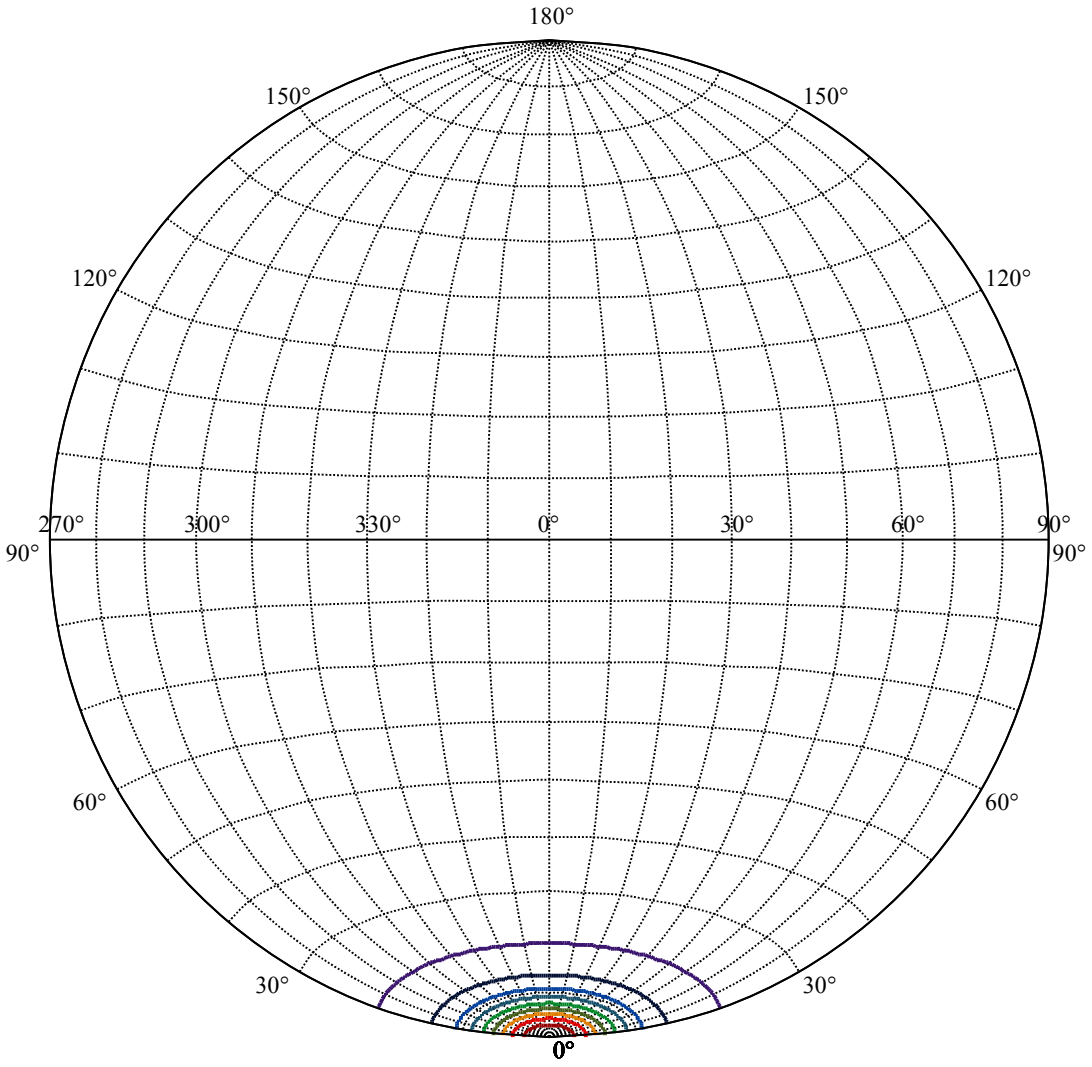
(10%Imax) 926.133
(20%Imax) 1852.27
(30%Imax) 2778.4
(40%Imax) 3704.53
(50%Imax) 4630.66
(60%Imax) 5556.8
(70%Imax) 6482.93
(80%Imax) 7409.06
(90%Imax) 8335.2

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2025/9/26
Humidity(%): 60.0%

Operator: 杨泽全
Distance(m): 9.19

ISO candela diagram on circular web



House [Unit:cd] Road

Imax:9261.33

(10%Imax) 926.133
(20%Imax) 1852.27
(30%Imax) 2778.4
(40%Imax) 3704.53
(50%Imax) 4630.66
(60%Imax) 5556.8
(70%Imax) 6482.93
(80%Imax) 7409.06
(90%Imax) 8335.2

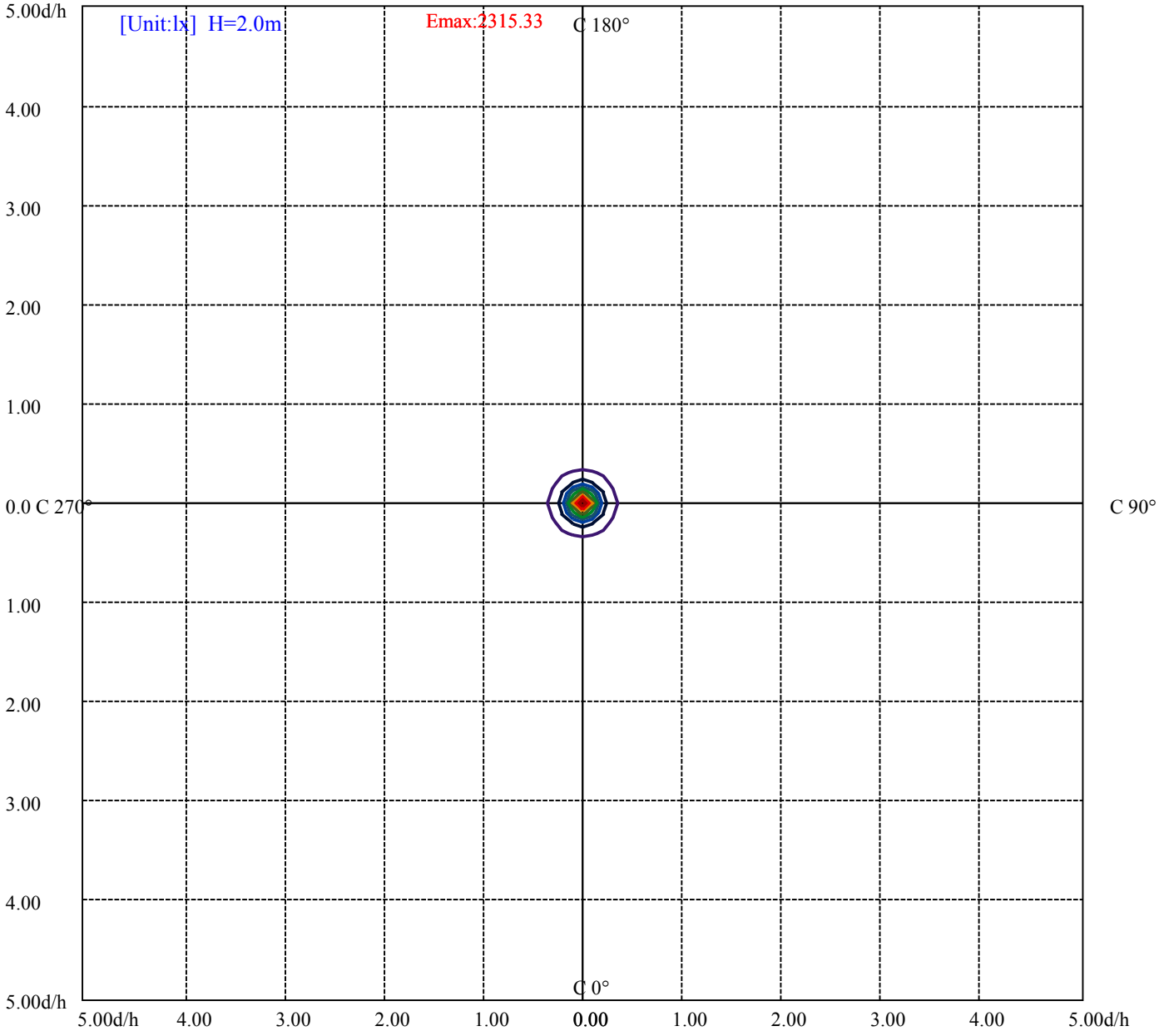
Equipment: GMS1980
Temperature(°C): 25.0

Date: 2025/9/26
Humidity(%): 60.0%

Operator: 杨泽全
Distance(m): 9.19

NT Nata 1-1668-S

ISO illuminance diagram



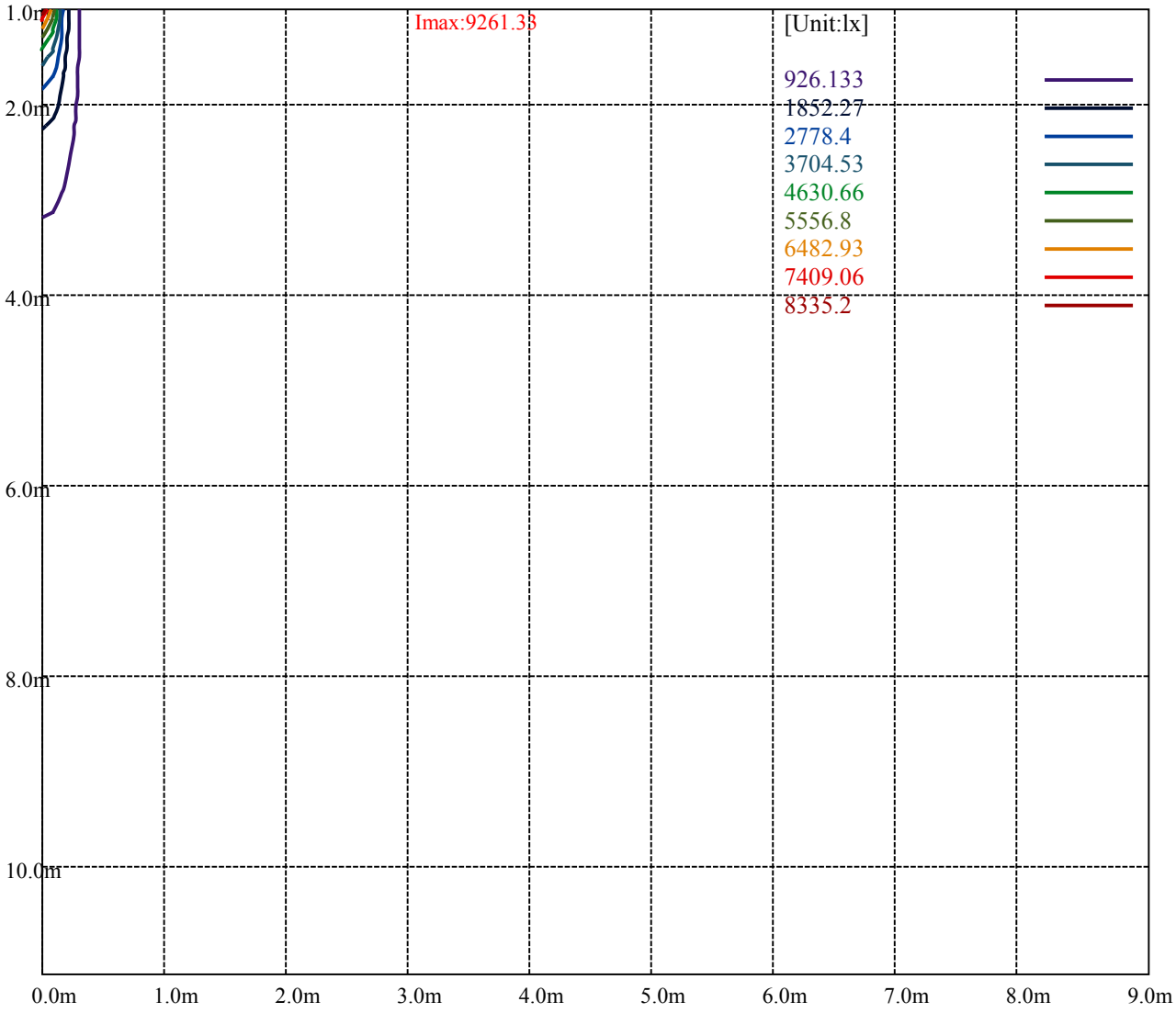
(10%Emax) 231.5327
(20%Emax) 463.065
(30%Emax) 694.5975
(40%Emax) 926.1325
(50%Emax) 1157.665
(60%Emax) 1389.198
(70%Emax) 1620.73
(80%Emax) 1852.262
(90%Emax) 2083.795

Equipment: GMS1980
Temperature(°C): 25.0

Date: 2025/9/26
Humidity(%): 60.0%

Operator: 杨泽全
Distance(m): 9.19

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2025/9/26
Humidity(%): 60.0%

Operator: 杨泽全
Distance(m): 9.19

NT Nata 1-1668-S

Luminance Limitting Curve(no luminous side)

Luminance Table

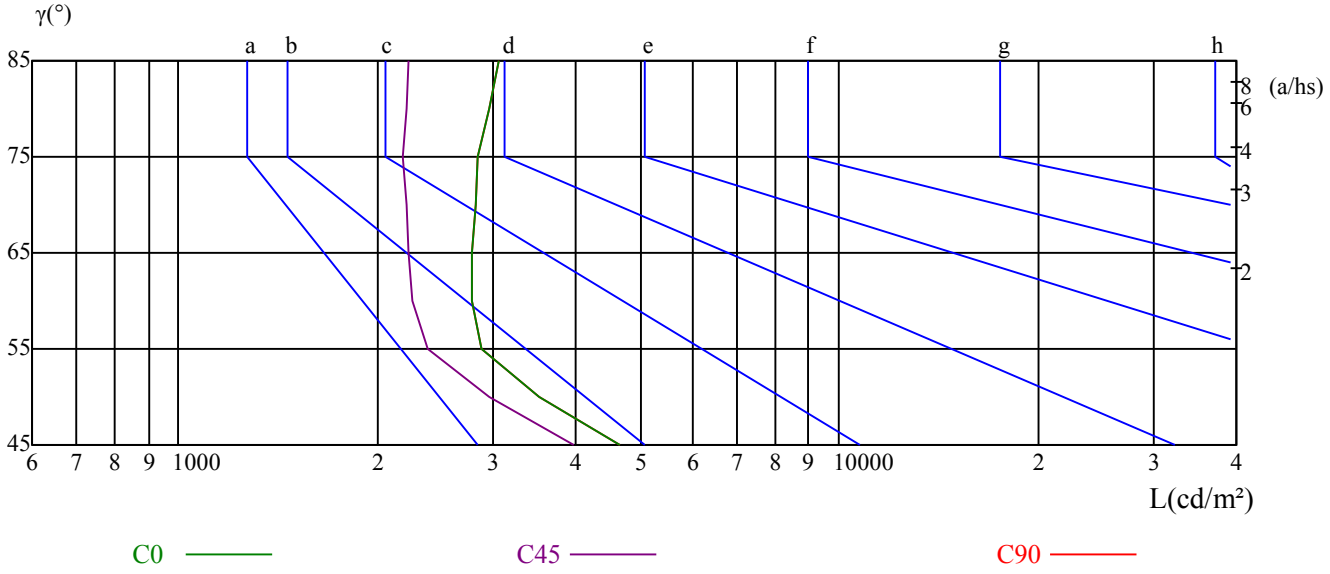
γ	45	50	55	60	65	70	75	80	85
C0	4650	3512	2886	2781	2787	2824	2843	2958	3053
C45	3965	2951	2387	2263	2228	2216	2185	2220	2230
C90	4650	3512	2886	2781	2787	2824	2843	2958	3053

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
7056	7056	7056	10422	10422	10422	27983	27983	27983

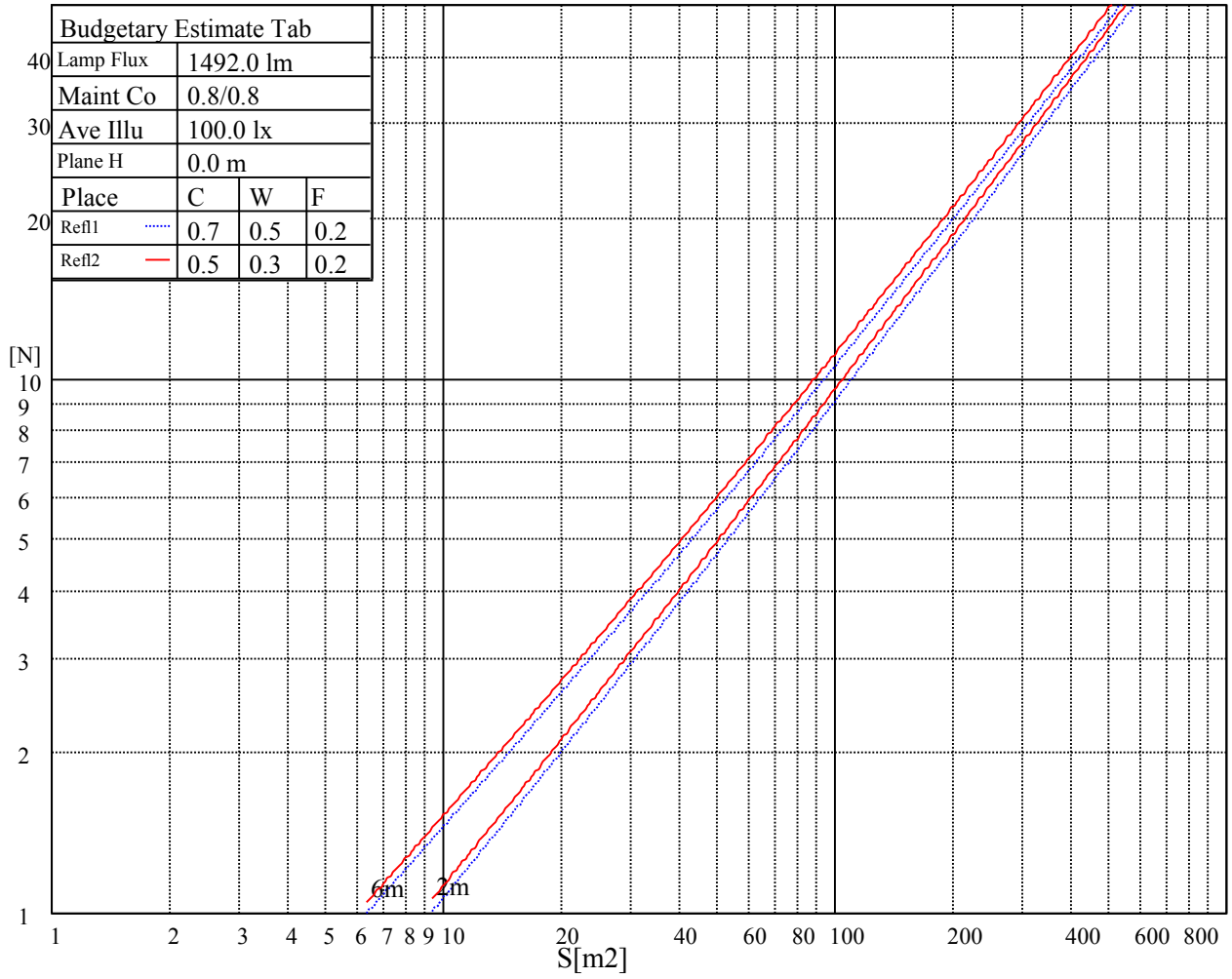
Glare Table

Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Limitting Curve



Budgetary Estimate Table



Equipment: GMS1980
Temperature(°C): 25.0

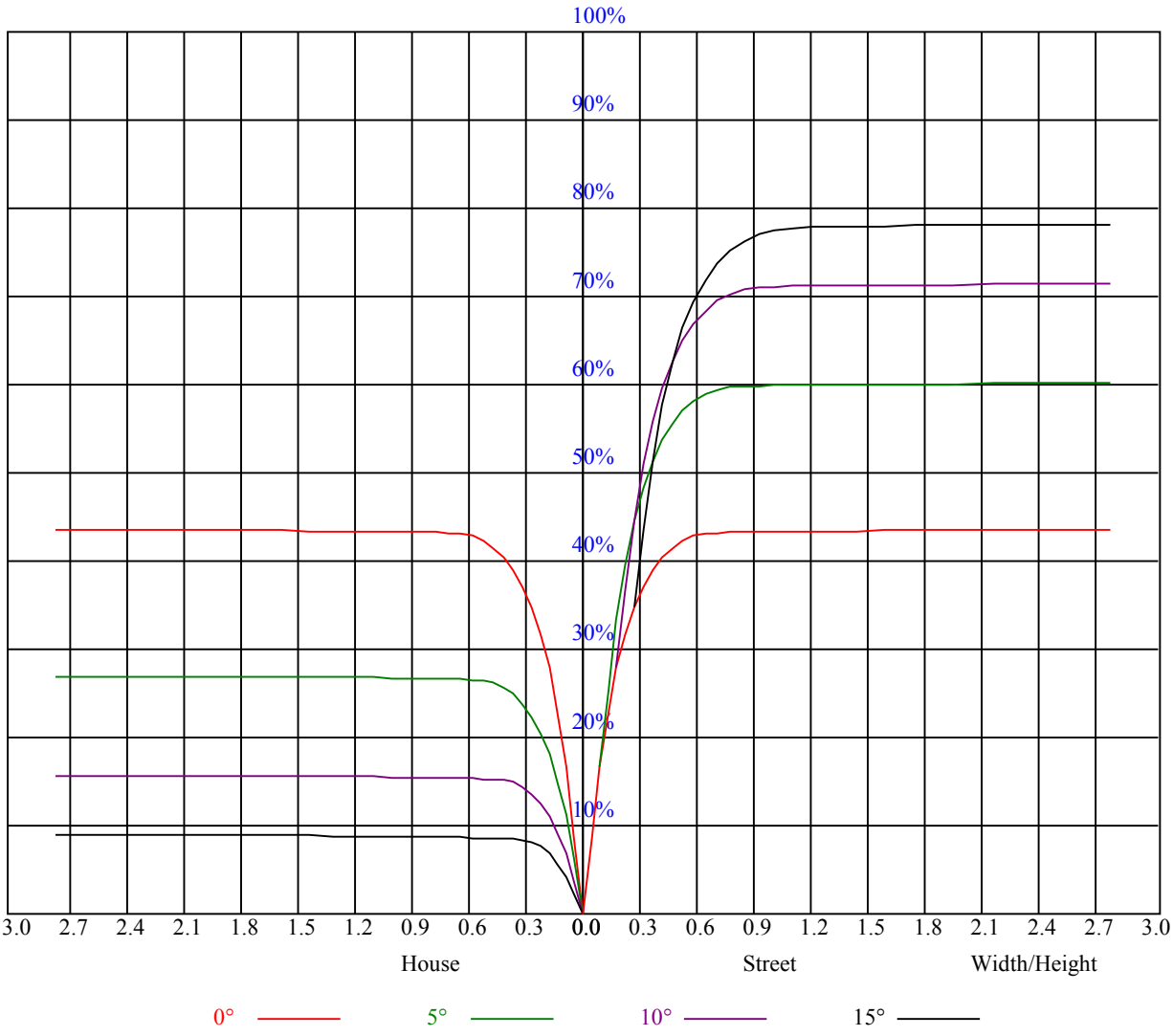
Date: 2025/9/26
Humidity(%): 60.0%

Operator: 杨泽全
Distance(m): 9.19

Utilization factor table for indoor luminaire

RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	1.04	1.04	1.04	1.02	1.02	1.02	0.97	0.97	0.97	0.93	0.93	0.93	0.89	0.89	0.89	0.88
1	0.99	0.97	0.95	0.97	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.86	0.84
2	0.94	0.91	0.89	0.93	0.90	0.88	0.90	0.88	0.86	0.87	0.86	0.85	0.85	0.84	0.83	0.81
3	0.90	0.87	0.84	0.89	0.86	0.84	0.87	0.84	0.82	0.85	0.83	0.81	0.83	0.81	0.80	0.79
4	0.87	0.83	0.81	0.86	0.83	0.80	0.84	0.81	0.79	0.82	0.80	0.78	0.81	0.79	0.77	0.76
5	0.83	0.80	0.77	0.83	0.79	0.77	0.81	0.78	0.76	0.80	0.78	0.76	0.79	0.77	0.75	0.74
6	0.81	0.77	0.74	0.80	0.77	0.74	0.79	0.76	0.74	0.78	0.75	0.73	0.77	0.75	0.73	0.72
7	0.78	0.75	0.72	0.78	0.74	0.72	0.77	0.74	0.71	0.76	0.73	0.71	0.75	0.73	0.71	0.70
8	0.76	0.72	0.70	0.75	0.72	0.70	0.75	0.72	0.69	0.74	0.71	0.69	0.73	0.71	0.69	0.68
9	0.74	0.70	0.68	0.73	0.70	0.68	0.73	0.70	0.68	0.72	0.69	0.67	0.71	0.69	0.67	0.66
10	0.72	0.68	0.66	0.71	0.68	0.66	0.71	0.68	0.66	0.70	0.68	0.66	0.70	0.67	0.65	0.65

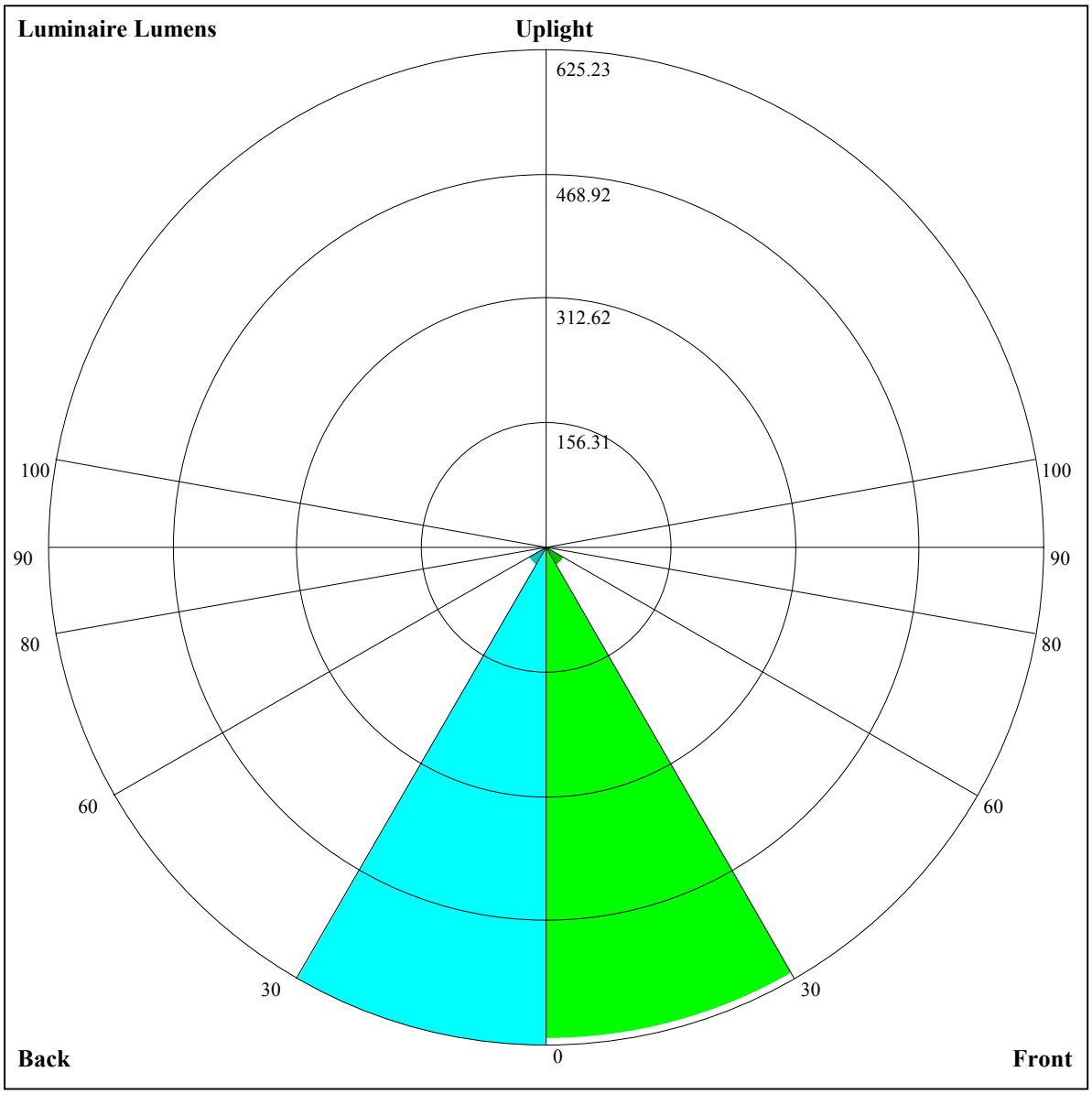
Coefficient Utilization Curve



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2025/9/26
Humidity(%): 60.0%

Operator: 杨泽全
Distance(m): 9.19



Luminaire Lumens:
FL=617.82,FM=24.99,FH=3.6,FVH=1.64
BL=625.23,BM=25.06,BH=3.54,BVH=1.61
UL=0,UH=0

BUG Rating:B2-U0-G0

Intensity data(cd)

C/γ(°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	9360.35	9206.64	8846.86	8282.69	7560.59	6533.61	5733.81	4993.13	4311.57
45.0	9177.93	9350.22	9340.93	9071.51	8606.16	7944.87	7181.39	6167.91	5390.92
90.0	9340.08	9367.11	9183.00	8809.70	8227.80	7268.38	6458.44	5466.93	4740.61
135.0	9166.95	9358.66	9400.89	9228.60	8819.83	8077.47	7322.43	6314.02	5499.87
180.0	9360.35	9315.59	9089.25	8489.61	7846.06	7076.66	6037.01	5225.38	4325.08
225.0	9177.93	8794.50	8189.79	7255.71	6433.11	5611.35	4631.66	3942.50	3349.61
270.0	9340.08	9176.24	8792.81	8032.70	7268.38	6447.46	5624.86	4633.35	3956.01
315.0	9166.95	8748.89	7984.56	7212.64	6384.12	5558.14	4617.30	3941.65	3373.26
360.0	9360.35	9206.64	8846.86	8282.69	7560.59	6533.61	5733.81	4993.13	4311.57

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	3585.25	3104.69	2710.28	2313.34	1682.37	1682.37	1592.50	1429.67	1289.39
45.0	4659.53	4030.33	3336.10	2896.08	2531.23	2221.28	1904.57	1693.43	1466.24
90.0	4087.76	3381.71	2908.75	2522.79	2208.61	1669.36	1669.36	1480.60	1320.72
135.0	4765.94	4103.81	3526.97	2930.71	2551.50	2233.10	1978.05	1713.70	1532.96
180.0	3709.40	3179.86	2745.75	2326.01	2058.28	1832.78	1648.67	1489.89	1320.13
225.0	2863.99	2387.66	1903.72	1639.88	1639.88	1431.95	1294.88	1173.26	1044.13
270.0	3238.98	2771.09	2399.48	2027.88	1785.49	1589.55	1422.33	1244.12	1130.11
315.0	2895.24	2429.89	1949.33	1682.96	1634.99	1466.24	1287.70	1165.92	1059.25
360.0	3585.25	3104.69	2710.28	2313.34	1682.37	1682.37	1592.50	1429.67	1289.39

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1139.23	1033.91	943.37	863.23	778.60	718.89	670.58	624.89	553.53
45.0	1311.69	1180.78	1041.43	948.53	868.29	799.88	730.63	681.65	641.95
90.0	1186.69	1042.44	944.98	865.25	776.49	715.17	667.12	613.15	568.22
135.0	1375.03	1214.56	1105.61	1008.49	907.14	838.73	760.19	702.76	654.62
180.0	1202.74	1076.90	984.84	902.08	807.48	734.85	676.58	611.55	549.05
225.0	953.09	872.43	786.96	722.61	666.02	610.53	554.37	489.85	420.84
270.0	1021.16	924.88	830.29	760.19	696.00	641.11	585.37	532.16	449.39
315.0	967.28	871.50	805.29	742.96	688.82	630.55	577.43	513.16	445.76
360.0	1139.23	1033.91	943.37	863.23	778.60	718.89	670.58	624.89	553.53

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	486.38	412.74	321.86	252.35	174.49	121.95	76.77	35.30	18.41
45.0	600.57	523.71	453.61	434.19	344.41	216.29	159.28	96.11	55.83
90.0	492.04	423.29	352.01	282.34	202.19	150.33	104.05	64.36	29.90
135.0	600.57	516.11	445.17	427.43	427.43	208.78	152.78	104.81	63.43
180.0	479.80	427.43	427.43	241.88	179.38	126.18	70.10	38.43	21.96
225.0	333.69	265.61	204.21	148.30	86.99	49.15	22.13	16.98	15.71
270.0	431.66	431.66	225.92	167.65	117.56	76.26	37.67	22.04	17.90
315.0	355.48	280.06	193.57	138.09	91.55	44.51	22.47	15.03	13.77
360.0	486.38	412.74	321.86	252.35	174.49	121.95	76.77	35.30	18.41

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	15.03	13.85	12.50	11.74	11.06	10.39	9.71	8.61	8.19
45.0	28.55	15.03	13.77	12.67	11.57	10.39	9.54	8.53	7.69
90.0	18.33	16.47	14.53	12.84	11.32	9.80	8.95	8.45	8.11
135.0	27.95	17.57	15.62	14.19	12.75	11.15	9.97	8.87	8.02
180.0	18.33	17.40	16.30	14.61	12.92	11.15	8.95	7.52	6.33
225.0	14.02	12.42	11.06	9.80	8.61	7.94	7.43	7.01	6.50
270.0	16.72	15.12	13.77	12.50	11.49	10.39	9.80	9.37	8.95
315.0	12.50	11.40	10.22	9.12	8.19	7.69	7.09	6.59	6.25
360.0	15.03	13.85	12.50	11.74	11.06	10.39	9.71	8.61	8.19

Intensity data(cd)

C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	7.52	7.26	7.09	6.67	6.33	5.83	5.32	4.98	4.65
45.0	6.67	6.17	5.83	5.32	5.07	4.81	4.73	4.65	4.48
90.0	8.02	7.85	7.77	7.77	7.60	7.35	6.93	6.25	5.57
135.0	7.09	6.33	5.66	5.07	4.48	4.22	3.97	3.80	3.72
180.0	5.57	4.81	4.56	4.31	4.22	4.14	4.05	3.97	3.88
225.0	6.17	5.66	4.98	4.65	4.31	4.14	4.05	4.05	4.22
270.0	8.45	7.94	7.43	6.93	6.25	5.74	5.32	4.98	4.73
315.0	5.74	5.66	5.32	5.15	4.98	4.73	4.48	4.22	3.97
360.0	7.52	7.26	7.09	6.67	6.33	5.83	5.32	4.98	4.65

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	4.31	4.22	4.14	4.14	4.05	4.05	4.05	4.05	4.14
45.0	4.31	4.14	3.97	3.80	3.63	3.55	3.46	3.46	3.46
90.0	4.90	4.39	4.14	4.05	4.05	3.97	3.80	3.72	3.63
135.0	3.63	3.63	3.63	3.72	3.80	3.88	3.97	3.97	3.80
180.0	3.88	3.97	3.97	3.97	3.88	3.88	3.88	3.80	3.72
225.0	4.22	4.22	4.22	4.14	4.05	3.88	3.80	3.72	3.63
270.0	4.56	4.39	4.31	4.05	3.97	3.88	3.88	3.88	3.80
315.0	3.88	3.80	3.63	3.63	3.63	3.63	3.63	3.63	3.55
360.0	4.31	4.22	4.14	4.14	4.05	4.05	4.05	4.05	4.14

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	4.14	4.14	4.14	4.14	4.14	4.05	3.97	3.97	3.88
45.0	3.46	3.46	3.38	3.46	3.46	3.46	3.63	3.63	3.55
90.0	3.63	3.63	3.55	3.63	3.55	3.63	3.63	3.46	3.38
135.0	3.72	3.63	3.55	3.46	3.55	3.46	3.46	3.38	3.29
180.0	3.80	3.80	3.80	3.72	3.63	3.63	3.55	3.55	3.55
225.0	3.63	3.55	3.55	3.63	3.72	3.63	3.46	3.29	3.29
270.0	3.80	3.72	3.72	3.88	3.80	3.80	3.55	3.46	3.38
315.0	3.55	3.46	3.55	3.55	3.55	3.46	3.38	3.29	3.21
360.0	4.14	4.14	4.14	4.14	4.14	4.05	3.97	3.97	3.88

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	3.80	3.80	3.72	3.72	3.63	3.63	3.55	3.55	3.55
45.0	3.46	3.29	3.21	3.29	3.21	3.21	3.12	3.12	3.12
90.0	3.29	3.29	3.29	3.29	3.29	3.29	3.29	3.21	3.21
135.0	3.29	3.21	3.21	3.21	3.12	3.04	3.04	3.04	3.12
180.0	3.46	3.38	3.38	3.29	3.29	3.21	3.21	3.12	3.12
225.0	3.29	3.21	3.21	3.21	3.21	3.12	3.12	3.04	3.04
270.0	3.38	3.29	3.29	3.29	3.29	3.21	3.29	3.21	3.21
315.0	3.21	3.12	3.12	3.12	3.04	3.04	3.04	3.04	3.04
360.0	3.80	3.80	3.72	3.72	3.63	3.63	3.55	3.55	3.55

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	3.46	3.46	3.46	3.38	3.38	3.38	3.12	2.96	2.87
45.0	3.12	3.04	3.04	2.96	2.96	2.96	2.87	2.87	2.87
90.0	3.12	3.12	3.04	3.04	2.96	2.96	2.87	2.79	2.79
135.0	3.04	3.04	2.96	2.96	2.87	2.96	2.87	2.96	2.87
180.0	3.04	3.04	3.04	3.04	3.04	3.04	2.96	2.96	2.96
225.0	3.04	2.96	2.96	2.87	2.87	2.87	2.87	2.87	2.79
270.0	3.12	3.12	3.04	3.04	2.96	2.87	2.87	2.87	2.79
315.0	2.96	2.96	2.96	2.96	2.87	2.87	2.87	2.79	2.70
360.0	3.46	3.46	3.46	3.38	3.38	3.38	3.12	2.96	2.87

Intensity data(cd)

C/γ(°)	90.0
0.0	2.87
45.0	2.79
90.0	2.79
135.0	2.87
180.0	2.87
225.0	2.79
270.0	2.79
315.0	2.79
360.0	2.87